



# CLOSE-OUT REPORT FOR

## ABERDEEN PESTICIDE DUMPS

### SUPERFUND SITE

Aberdeen, Moore County, North Carolina

November 2003

*This fact sheet is not to be considered a technical document; it has been prepared to provide a better understanding of the process for the public.*

#### INTRODUCTION

The close-out report documents EPA has completed all construction activities for all five Operable Units (OU) at the Site.

**OU#1 & 4** - Soil at all areas treated (Farm Chemical Area, Twin Sites Area, Fairway Six Area, McIver Dump Area, Route 211 Area)

**OU#2** - Stockpiled soil removed and treated (Fairway Six Area) renamed as OU#4

**OU#3** - Monitored natural attenuation (breakdown through nature) coupled with phytoremediation for ground water in all three Areas: Farm Chemicals Area, Twin Sites Area and Fairway Six Area.

**OU#5** - Monitoring of natural attenuation in groundwater, surface water, and sediments with phytoremediation at McIver Dump Area, groundwater extraction/treatment at Route 211 Area.

#### SUMMARY

EPA and NC Department of Environment and Natural Resources (NCDENR) staff conducted numerous oversight activities in order to determine that the selected remedies were implemented and that no further construction is needed. This inspection is conducted at all Superfund sites. It confirms that everything designed in the selected remedy was constructed and implemented during the Remedial Action stage. Clean up and/or treatment activities have moved into the Operation & Maintenance phase

of the Superfund process.

- Final inspections for OU#1 & 4 were conducted in April, June and July 1998.
- Final inspections for OU#5 were conducted in May 2000 and March 2001.

No final inspection was conducted for OU#3. Monthly visits were made by either EPA or NCDENR to observe installation of trees for the phytoremediation process, the installation of extraction and monitoring wells, and during groundwater sampling activities.

The conclusions of these oversight visits is that the Potentially Responsible Parties (PRPs) have completed all construction activities of the components of the remedies in accordance with the Remedial Design plans and specifications. The PRPs have completed the soil remedies and initiated activities necessary to achieve groundwater performance standards and Site completion.

The PRPs that participated with EPA and NCDENR in the Superfund process for this Site are: Novartis Crop Protection (formerly Ciba-Geigy Corp.), E. I. du Pont de Nemours & Company, Olin Corporation, Union Carbide Corporation, Shell Oil Company, Bayer Corporation, Mobil Oil Corporation, Kaiser Aluminum & Chemical Corporation, and Grower Service Corporation.

The primary contaminants of concern for all Areas, in soil or groundwater, included volatile organic compounds, pesticides, semi-volatile organic compounds and metals. These substances were present as a result of the previous owners blending or formulating millions of pounds of pesticides at the Farm Chemicals location. The operation focused on producing commercial grade pesticide products for agricultural use. A number of different pesticide products were formulated at the Farm Chemicals facility from the mid-1930's through 1987. Some of these pesticides were: DDT, aldrin, dieldrin, heptachlor, lindane, endrin ketone, chlordane, sevin, and toxaphene.

The Aberdeen Pesticide Dumps Site was placed on the EPA National Priorities List (NPL) in March 1989. After the groundwater remedies have successfully reached the clean up goals that were established in the Records of Decision, this Site will be eligible for deletion from the NPL. It is anticipated that it will take approximately 20-30 years for the remedies to remove the contaminants. Groundwater affected in the Site Areas is not being used as a drinking water source and poses no threat to people in the community.

As with any Superfund site where contamination remains on the site, by law, a Five-Year Review is required. An inspection and evaluation will be made to ensure that the current remedy at the Site

is still functioning as it should, it continues to be protective of human health and the environment, and the concentrations of contaminants are decreasing. The first Five-Year Review for the Aberdeen Pesticide Dumps Site will occur in late 2008.

A copy of the Superfund Preliminary Close-Out Report, dated September 2003, has been placed in the information repository files located in the:

Aberdeen Town Hall  
115 North Poplar Street  
Aberdeen, NC.  
and  
EPA Records Center  
61 Forsyth Street, SW  
Atlanta, GA 30303

## CONTACTS

Further information on this Site can be obtained from either Jon Bornholm, Remedial Project Manager, or Diane Barrett, Community Involvement Coordinator, at 1-800-435-9233, extension 28820 and 28489, or at the following address:

United States Environmental Protection Agency  
Waste Management Division  
61 Forsyth Street, SW  
Atlanta, GA 30303-3104

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## SITE MAILING LIST

If you have received this fact sheet your name is on the Aberdeen Pesticide Dumps Site mailing list. If you have a name change or want your name deleted from this mailing list, please complete the following and return to Diane Barrett at the EPA address given above.

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip Code \_\_\_\_\_

Addition ☐

Correction ☐

Deletion ☐

**Locations of properties that comprise the Aberdeen Pesticide Dumps Site**



U.S. Environmental Protection Agency  
61 Forsyth Street, SW  
Atlanta, Georgia 30303

Superfund Remedial & Site Evaluation Branch  
Jon Bornholm, Remedial Project Manager  
Diane Barrett, Community Involvement Coord.

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**Aberdeen Pesticide Dumps Site**

Official Business  
Penalty for Private Use \$300